Analyzing and Visualizing Digital Data for the Centers for Disease Control and Prevention (CDC)

VIRTUAL STUDENT FEDERAL SERVICE

V S F S

Project Title	Analyzing and Visualizing Digital Data for the Centers for Disease Control and Prevention (CDC)
Project Summary	Interested in data science, data visualization and digital communications? In this position, you will have the opportunity to take existing CDC digital content and digital metrics and analyze how content plays a role in finding content and increased web traffic.
Country	United States

Project Description

Working closely with the metrics lead in CDC's Digital Media Branch, you'll use your R skills to examine a wide variety of questions to improve digital communication and improve people's health. What is the relationship between reading level and search engine ranking? What type of entry page produces longer visits to the site? How does user behavior in general vary from desktop to mobile device and how can we tell if a single page visit is a good thing or a bad thing? These and many more questions will be tackled over the course of the internship. Your tasks will range from the big picture (go figure this out and see what you can find) to the details (organize these scripts into functions and build a package).

Code. Analyze data. Save lives.

Required Skills or Interests

Skill(s)
Coding
Data analysis
Data visualization

Additional Information

Prior experience using R preferred. Top candidates will be virtually interviewed and supporting documents such as work samples might be requested .

We anticipate this work would be up to 10 hours per week – with flexibility based on the student's needs and available assignments.

Technical skills for this project primarily include:
• R
• Python
• Data analysis
• Data visualization
• Digital Communication
• Natural Language Processing
• Machine Learning and Artificial Intelligence

Language Requirements

None